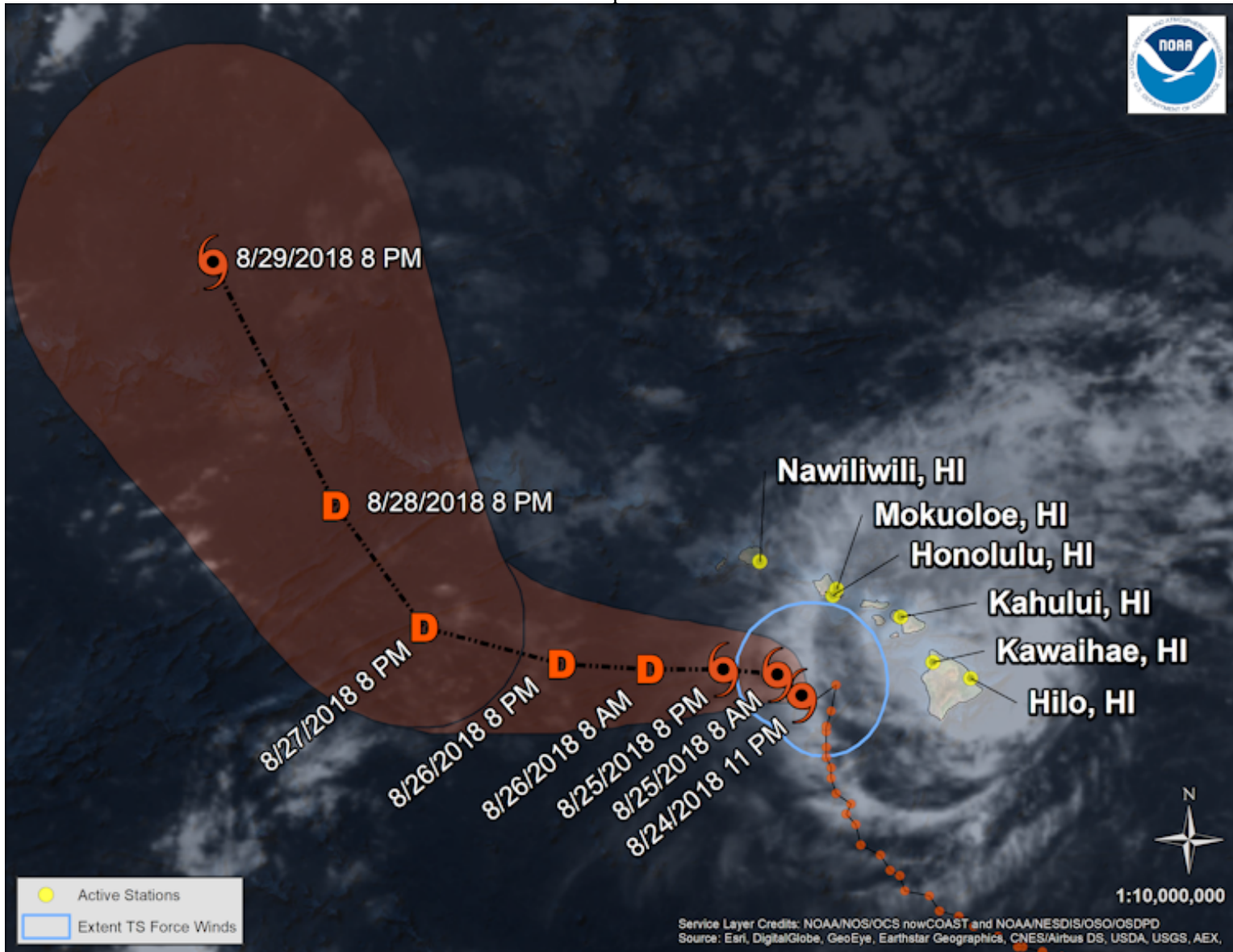




Tropical Storm Lane QuickLook
Posted: 00:00 HST 08/25/2018

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 8/25/2018 00:00 HST water levels across the Hawaiian Islands remain elevated above normal tide levels. Water levels range between 0.3 and 0.7 feet above tidal predictions.

The strongest winds are presently being observed at Nawiliwili (Kaua'i), Mokuoloe (O'ahu), and Kahului (Maui) with winds around 20 kts and gusts up to 30 kts measured over the last several hours. Winds of 5 to 10 kts with gusts up to

15 knots are being measured on the island of Hawai'i. Barometric pressure is stabilizing across the islands.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional real-time and historical inundation information for select stations affected by this storm, please visit Coastal Inundation Dashboard. For additional data, please see the Center for Operational Oceanographic Products & Services website.

For more information or archived products and reports, please visit the Storm QuickLook Homepage.

Analyst: ADM

Select Central Pacific Hurricane Center Advisory Information:

Tropical Storm Lane Advisory Number 44
NWS Central Pacific Hurricane Center Honolulu HI
1100 PM HST Fri Aug 24 2018

...TROPICAL STORM LANE MOVING SLOWLY TOWARD THE NORTH-NORTHWEST SOUTH OF HAWAII...

...LANE'S OUTER RAIN BANDS PRODUCING SEVERE FLOODING ACROSS PARTS OF THE HAWAIIAN ISLANDS...

WATCHES AND WARNINGS

----- CHANGES WITH THIS ADVISORY:

None.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...

- * Oahu
- * Maui County...including the islands of Maui, Lanai, Molokai and Kahoolawe
- * Hawaii County

A Tropical Storm Watch is in effect for...

- * Kauai County...including the islands of Kauai and Niihau

A Tropical Storm Warning means that tropical storm conditions are expected somewhere within the warning area.

A Tropical Storm Watch means that tropical storm conditions are possible within the watch area.

Interests in the Northwestern Hawaiian Islands should monitor the progress of Tropical Storm Lane.

For storm information specific to your area, please monitor products issued by the National Weather Service office in Honolulu Hawaii.

DISCUSSION AND OUTLOOK

At 1100 PM HST, the center of Tropical Storm Lane was located ABOUT 135 MI SSW OF HONOLULU HAWAII and ABOUT 190 MI SSE OF LIHUE HAWAII. Lane is moving toward the north-northwest near 3 mph, and this general motion is expected to continue through Saturday morning. This will likely be followed by a turn toward the west with an increase in forward speed starting Saturday afternoon. This westward motion is forecast to continue through Sunday. On the forecast track, the center of Lane will pass south of Kauai and Niihau on Saturday.

Maximum sustained winds are near 65 mph with higher gusts. Additional weakening is forecast through this weekend, and Lane may become a remnant low by Sunday.

Tropical-storm-force winds extend outward up to 130 miles from the center.

The estimated minimum central pressure is 992 mb.

HAZARDS AFFECTING LAND

WIND: Tropical storm conditions are still expected in and near outer rain bands that will affect Oahu, Maui County, and the Big Island tonight into Saturday. Tropical storm conditions are possible on Kauai starting Saturday.

RAINFALL: Lane's outer rain bands will produce excessive rainfall this weekend, which could lead to additional flash flooding and landslides. Lane is expected to produce total rain accumulations of 10 to 20 inches in some areas. Localized storm total amounts in excess of 40 inches have already been observed along the windward side of the Big Island.

SURF: Large swells generated by Lane will impact the Hawaiian Islands tonight. These swells will produce high surf along exposed south and east shorelines through early Saturday.

TORNADO: Isolated tornados are possible from tonight into early Saturday across parts of the Big Island, Maui County and Oahu.

NEXT ADVISORY

Next intermediate advisory at 200 AM HST.

Next complete advisory at 500 AM HST.

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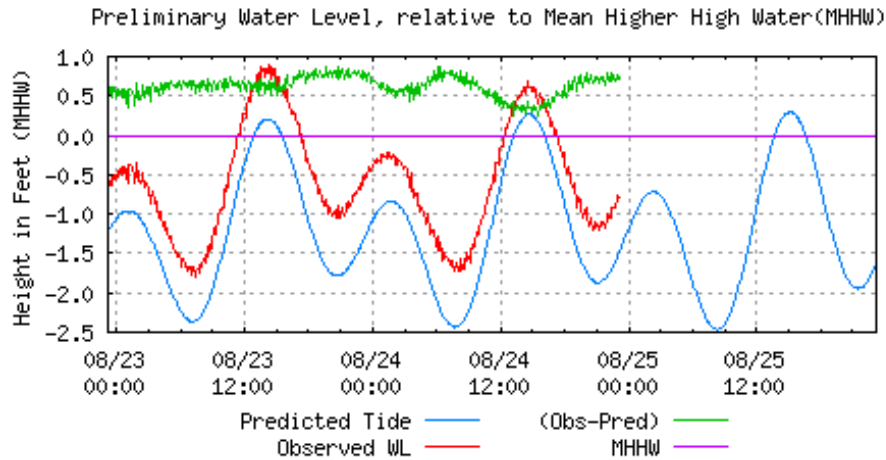
Forecaster Houston

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Hilo, Hilo Bay, Kuhio Bay - Water Level](#), [Hilo, Hilo Bay, Kuhio Bay - Winds](#), [Hilo, Hilo Bay, Kuhio Bay - Barometric](#), [Kawaihae - Water Level](#), [Kawaihae - Winds](#), [Kawaihae - Barometric](#), [Kahului, Kahului Harbor - Water Level](#), [Kahului, Kahului Harbor - Winds](#), [Kahului, Kahului Harbor - Barometric](#), [Mokuoloe - Water Level](#), [Mokuoloe - Winds](#), [Mokuoloe - Barometric](#), [Honolulu - Water Level](#), [Honolulu - Winds](#), [Honolulu - Barometric](#), [Nawiliwili -](#)

Water Level, Nawiliwili - Winds, Nawiliwili - Barometric

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



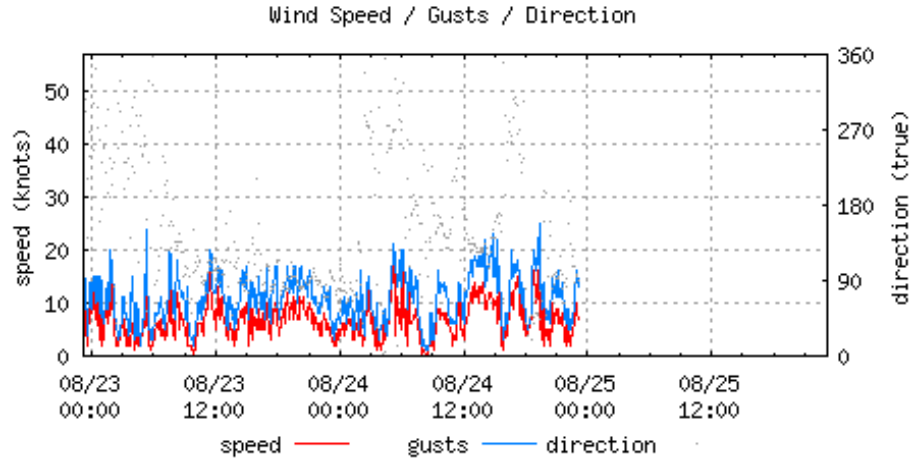
Last Observed Sample: 08/24/2018 23:12 (HST). Data relative to MHHW

Observed: -0.80 ft. Predicted: -1.46 ft. Residual: 0.66 ft.

Historical Maximum Water Level: Jul 24 2017, 1.54 ft.

Next High Tide: 08/25/2018 02:19 (HST), -0.72 ft.

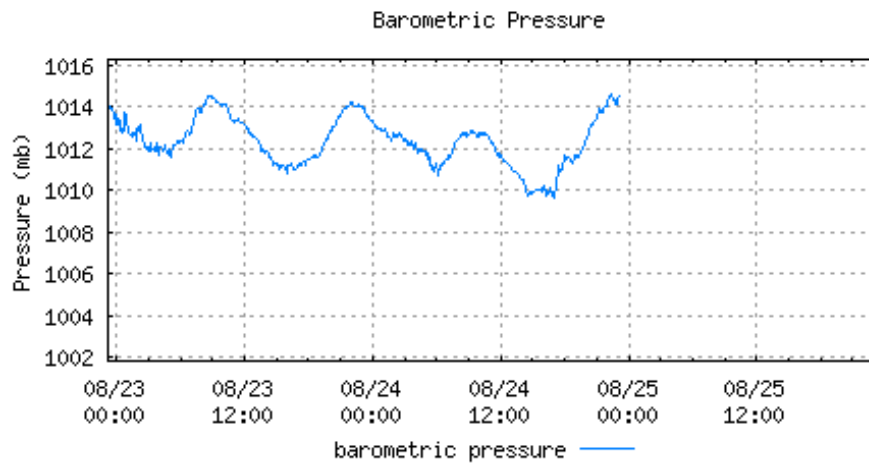
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



Last Observed Sample: 08/24/2018 23:12 (HST)

Wind Speed: 6 knots Gusts: 14 knots Direction: 114° T

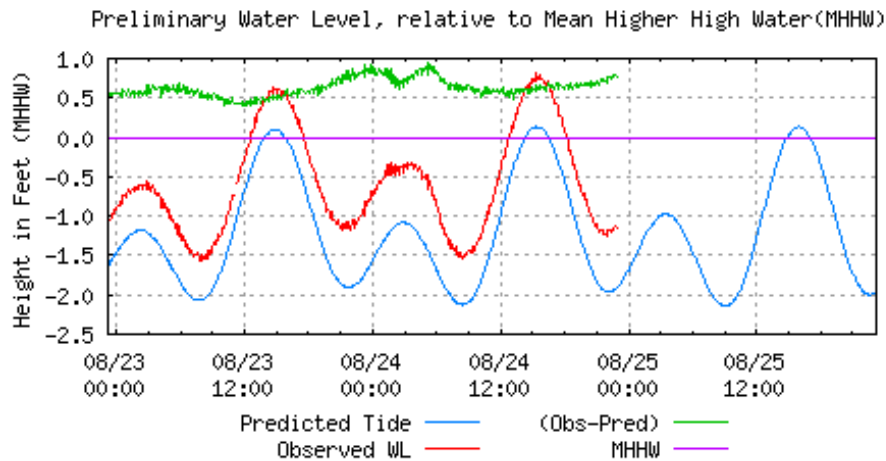
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



Last Observed Sample: 08/24/2018 23:12 (HST)

Barometric Pressure: 1014.6 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



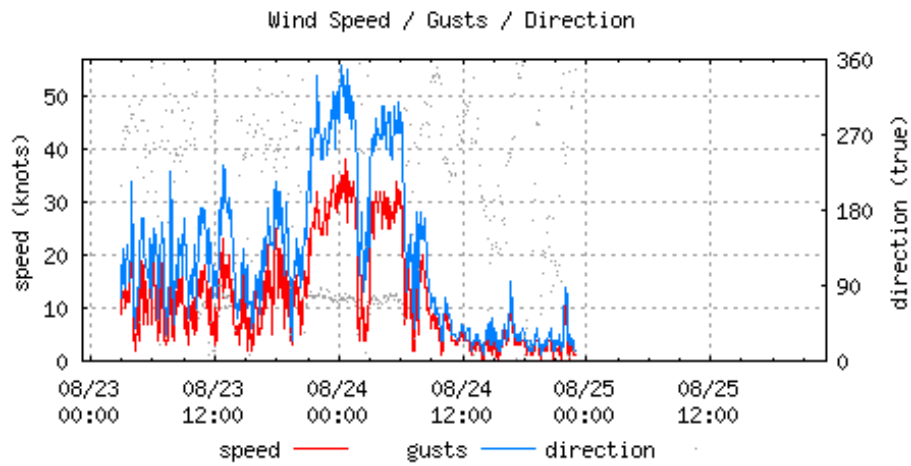
Last Observed Sample: 08/24/2018 22:54 (HST). Data relative to MHHW

Observed: -1.15 ft. Predicted: -1.91 ft. Residual: 0.76 ft.

Historical Maximum Water Level: Dec 15 2016, 1.33 ft.

Next High Tide: 08/25/2018 03:28 (HST), -0.98 ft.

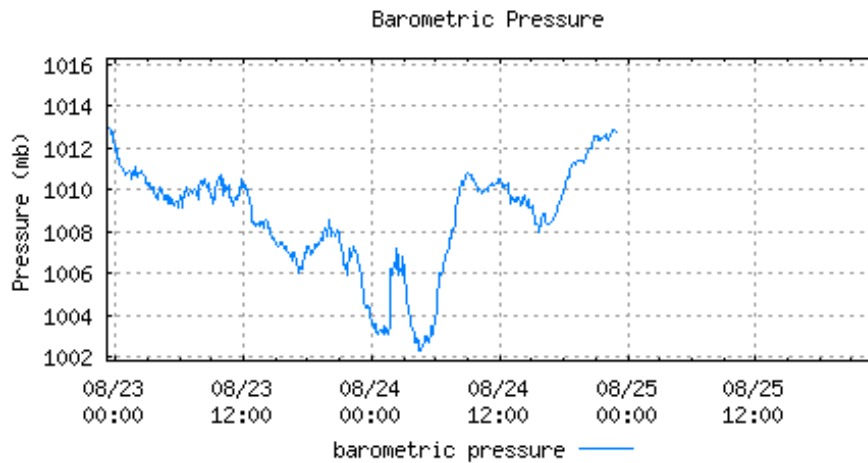
NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



Last Observed Sample: 08/24/2018 22:54 (HST)

Wind Speed: 1 knots Gusts: 2 knots Direction: 349° T

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

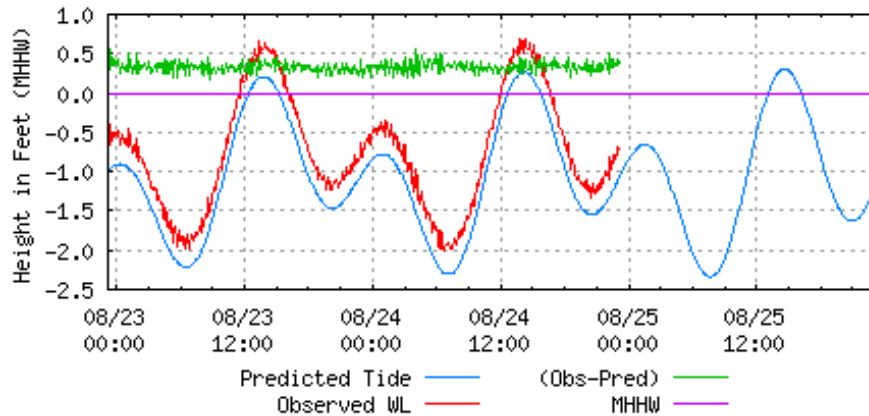


Last Observed Sample: 08/24/2018 22:54 (HST)

Barometric Pressure: 1012.8 mb

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 08/24/2018 23:12 (HST). Data relative to MHHW

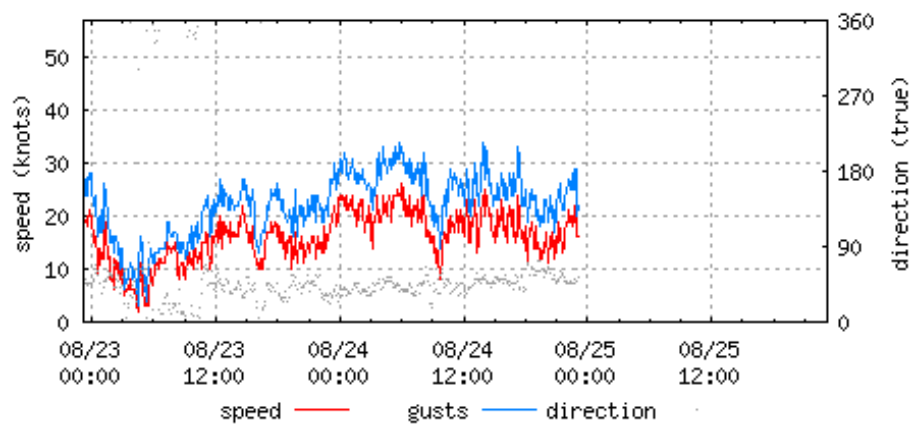
Observed: -0.77 ft. Predicted: -1.05 ft. Residual: 0.28 ft.

Historical Maximum Water Level: Aug 21 2017, 1.33 ft.

Next High Tide: 08/25/2018 01:30 (HST), -0.66 ft.

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

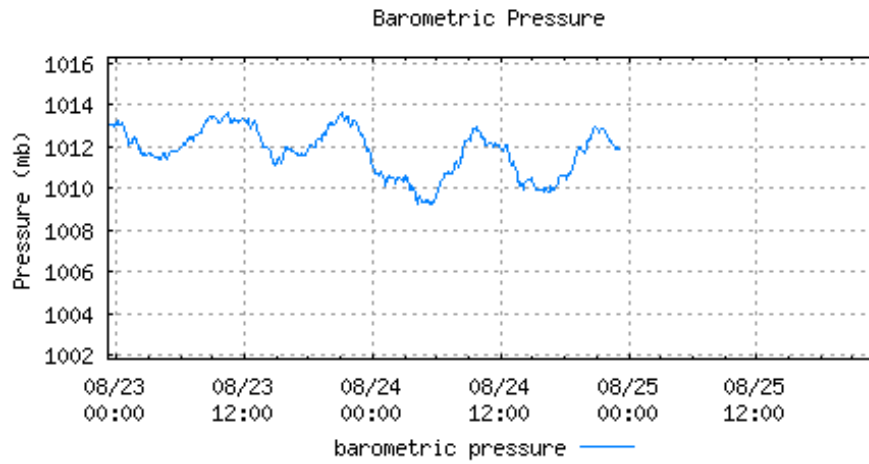
Wind Speed / Gusts / Direction



Last Observed Sample: 08/24/2018 23:12 (HST)

Wind Speed: 14 knots Gusts: 20 knots Direction: 54° T

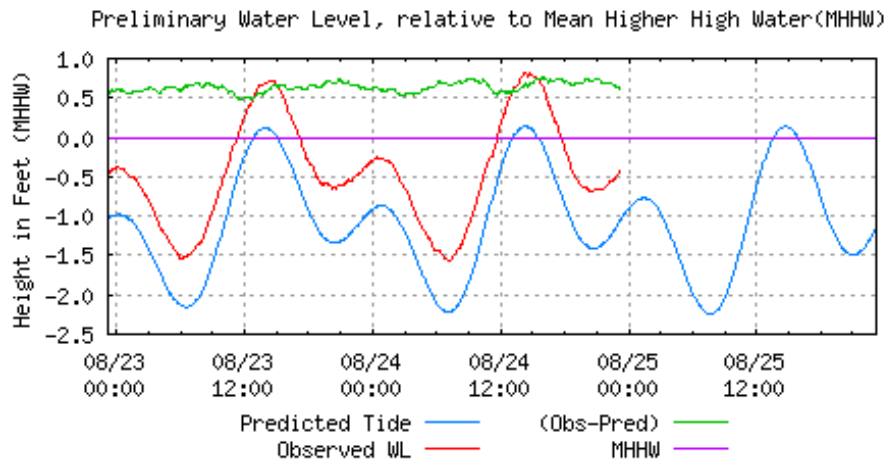
NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI



Last Observed Sample: 08/24/2018 23:12 (HST)

Barometric Pressure: 1011.9 mb

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



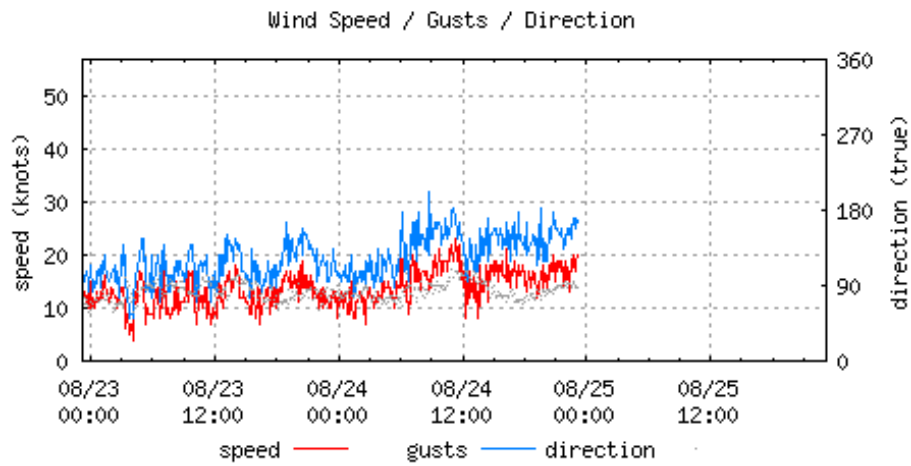
Last Observed Sample: 08/24/2018 23:12 (HST). Data relative to MHHW

Observed: -0.43 ft. Predicted: -1.06 ft. Residual: 0.63 ft.

Historical Maximum Water Level: Aug 21 2017, 1.47 ft.

Next High Tide: 08/25/2018 01:24 (HST), -0.77 ft.

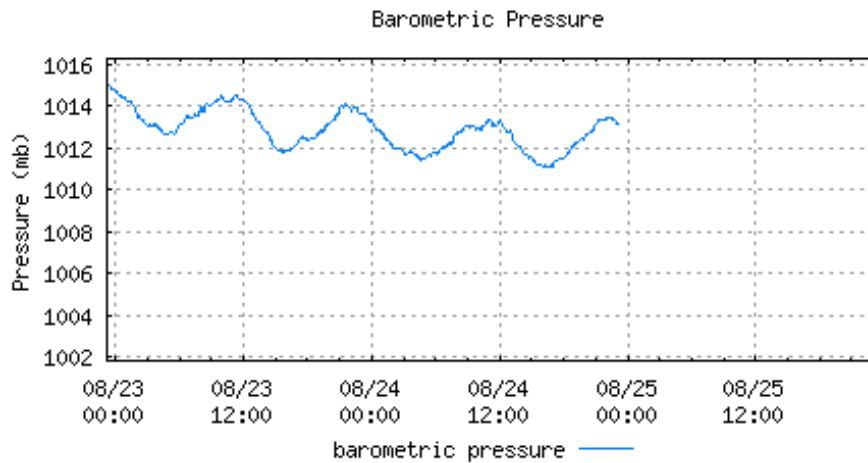
NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



Last Observed Sample: 08/24/2018 23:12 (HST)

Wind Speed: 19 knots Gusts: 25 knots Direction: 84° T

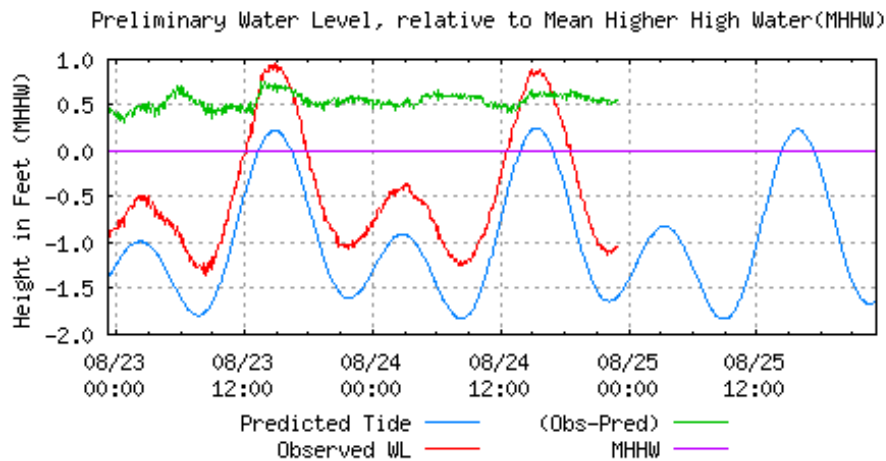
NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



Last Observed Sample: 08/24/2018 23:12 (HST)

Barometric Pressure: 1013.2 mb

NOAA/NOS/CO-OPS 1612340 Honolulu, HI



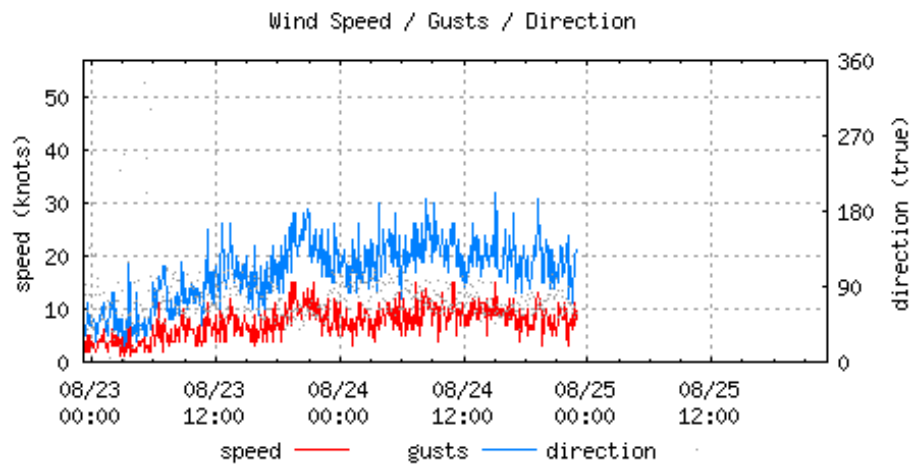
Last Observed Sample: 08/24/2018 23:06 (HST). Data relative to MHHW

Observed: -0.97 ft. Predicted: -1.57 ft. Residual: 0.60 ft.

Historical Maximum Water Level: Sep 11 1992, 1.47 ft.

Next High Tide: 08/25/2018 03:21 (HST), -0.82 ft.

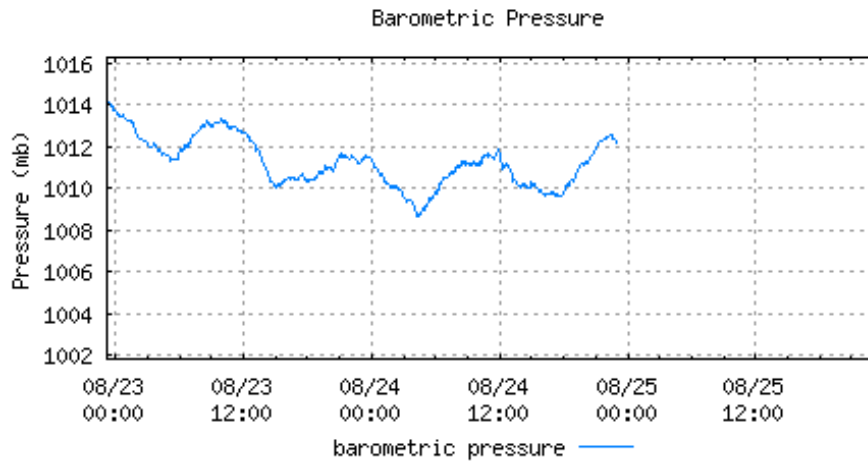
NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 08/24/2018 23:06 (HST)

Wind Speed: 5 knots Gusts: 15 knots Direction: 101° T

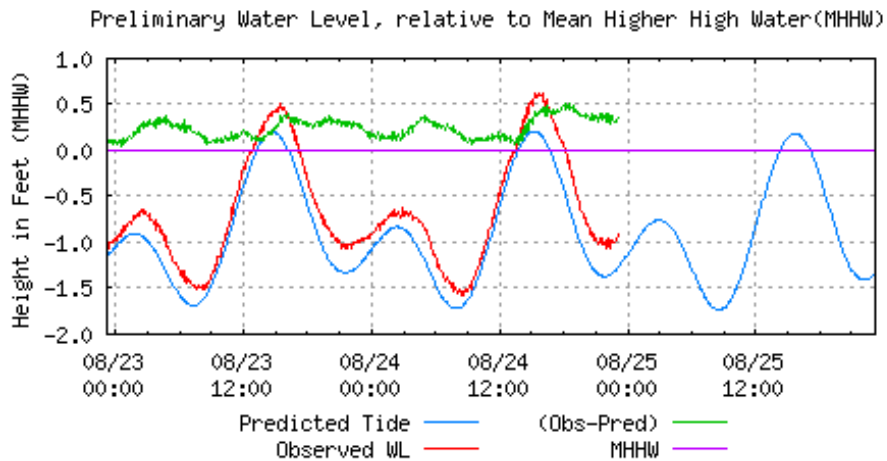
NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 08/24/2018 23:06 (HST)

Barometric Pressure: 1012.3 mb

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



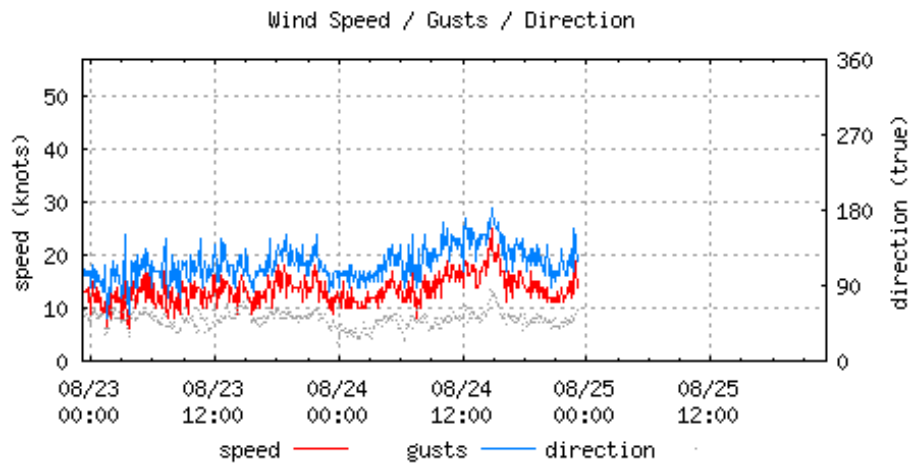
Last Observed Sample: 08/24/2018 23:12 (HST). Data relative to MHHW

Observed: -0.91 ft. Predicted: -1.27 ft. Residual: 0.36 ft.

Historical Maximum Water Level: Sep 11 1992, 3.15 ft.

Next High Tide: 08/25/2018 02:57 (HST), -0.76 ft.

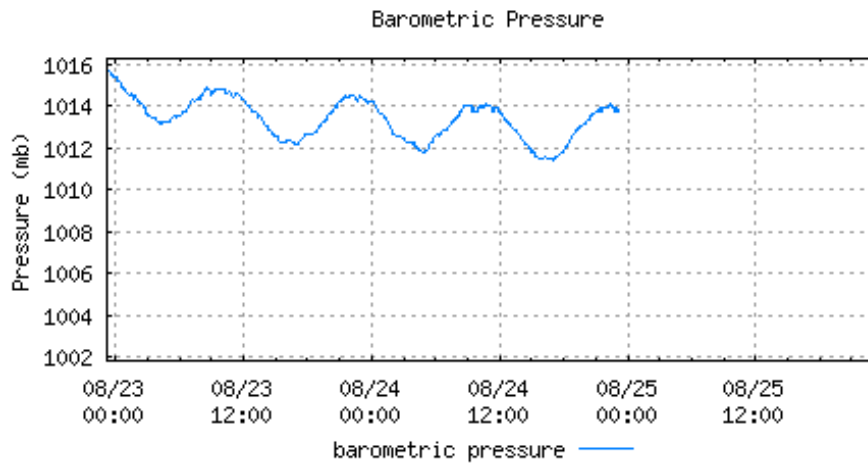
NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 08/24/2018 23:12 (HST)

Wind Speed: 15 knots Gusts: 21 knots Direction: 54° T

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 08/24/2018 23:12 (HST)

Barometric Pressure: 1013.8 mb

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
1617760	Hilo, Hilo Bay, Kuhio Bay, HI	08/24/2018 23:12 (HST)	-0.80 ft	-1.46 ft	0.66 ft	0.69 ft
1617433	Kawaihae, HI	08/24/2018 22:54 (HST)	-1.15 ft	-1.91 ft	0.76 ft	0.81 ft
1615680	Kahului, Kahului Harbor, HI	08/24/2018 23:12 (HST)	-0.77 ft	-1.05 ft	0.28 ft	0.70 ft
1612480	Mokuoloe, HI	08/24/2018 23:12 (HST)	-0.43 ft	-1.06 ft	0.63 ft	0.82 ft
1612340	Honolulu, HI	08/24/2018 23:06 (HST)	-0.97 ft	-1.57 ft	0.60 ft	0.90 ft
1611400	Nawiliwili, HI	08/24/2018 23:12 (HST)	-0.91 ft	-1.27 ft	0.36 ft	0.63 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce